

EAST Search History**EAST Search History (Prior Art)**

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--------------------------------------------------------------------------|------------------------|------------------|---------|------------------|
| S1 | 583 | (29/416).CCLS. | USPAT; USOCR | OR | OFF | 2010/02/04 12:53 |
| S2 | 2 | ("2990038").PN. | USPAT; USOCR | OR | OFF | 2010/02/04 13:07 |
| S3 | 7 | ("2990038").URPN. | USPAT | OR | OFF | 2010/02/04 13:34 |
| S4 | 1621 | (29/463).CCLS. | USPAT; USOCR | OR | OFF | 2010/02/04 14:00 |
| S5 | 13 | ("1644940" "3050831" "3283464" "3874051").PN. OR ("4894898").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/04 14:03 |
| S6 | 127 | (29/525.14).CCLS. | USPAT; USOCR | OR | OFF | 2010/02/04 15:03 |
| S7 | 2 | ("1729180").URPN. | USPAT | OR | OFF | 2010/02/04 15:19 |
| S8 | 486 | (29/897).CCLS. | USPAT; USOCR | OR | OFF | 2010/02/04 15:27 |
| S9 | 278 | (29/897.35).CCLS. | USPAT; USOCR | OR | OFF | 2010/02/04 15:27 |
| S10 | 399 | (29/897.3).CCLS. | USPAT; USOCR | OR | OFF | 2010/02/04 15:27 |
| S11 | 347 | (29/897.31).CCLS. | USPAT; USOCR | OR | OFF | 2010/02/04 15:27 |
| S12 | 175 | (29/897.312).CCLS. | USPAT; USOCR | OR | OFF | 2010/02/04 16:07 |
| S13 | 237 | (29/897.33).CCLS. | USPAT; USOCR | OR | OFF | 2010/02/04 16:08 |
| S14 | 172 | (29/897.34).CCLS. | USPAT; USOCR | OR | OFF | 2010/02/04 16:08 |
| S15 | 2 | ("1277622").URPN. | USPAT | OR | OFF | 2010/02/04 16:14 |
| S16 | 6 | ("3190628" "4129460" "4457197").PN. OR ("4707898").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/04 16:14 |
| S17 | 1 | ("2139788").URPN. | USPAT | OR | OFF | 2010/02/04 16:15 |
| S18 | 0 | ("2122698").URPN. | USPAT | OR | OFF | 2010/02/04 16:15 |

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| S19 | 1 | ("1709805").URPN. | USPAT | OR | OFF | 2010/02/04 16:15 |
| S20 | 8 | ("3066394").URPN. | USPAT | OR | OFF | 2010/02/04 16:16 |
| S21 | 9 | ("3034197").URPN. | USPAT | OR | OFF | 2010/02/04 16:16 |
| S22 | 11 | ("1741423").URPN. | USPAT | OR | OFF | 2010/02/04 16:17 |
| S23 | 614253 | structural | USPAT | OR | OFF | 2010/02/12 14:10 |
| S24 | 479808 | beam | USPAT | OR | OFF | 2010/02/12 14:10 |
| S25 | 90437 | S23 and S24 | USPAT | OR | OFF | 2010/02/12 14:10 |
| S26 | 330232 | finished | USPAT | OR | OFF | 2010/02/12 14:10 |
| S27 | 11605 | S25 and S26 | USPAT | OR | OFF | 2010/02/12 14:10 |
| S28 | 2318276 | less depth | USPAT | OR | OFF | 2010/02/12 14:11 |
| S29 | 9488 | S27 and S28 | USPAT | OR | OFF | 2010/02/12 14:11 |
| S30 | 209941 | cellular | USPAT | OR | OFF | 2010/02/12 14:11 |
| S31 | 479808 | beam | USPAT | OR | OFF | 2010/02/12 14:11 |
| S32 | 17821 | S30 and S31 | USPAT | OR | OFF | 2010/02/12 14:11 |
| S33 | 17018 | universal and S24 | USPAT | OR | OFF | 2010/02/12 14:12 |
| S34 | 8 | "4894898" | USPAT | OR | OFF | 2010/02/12 14:13 |
| S35 | 32 | ("0593484" "1311820" "1644940" "1741423" "2141642" "2990038" "3283464" "3626653" "3874051" "4071995" "4152873" "4545170" "4555889" "4866899" "4894898" "5060352").PN. OR ("5524410").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/12 14:16 |

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| S36 | 27 | ("3283464").URPN. | USPAT | OR | OFF | 2010/02/12 14:19 |
| S37 | 3 | "1729180" | USPAT | OR | OFF | 2010/02/12 14:22 |
| S38 | 12 | "2408523" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/02/12 14:26 |
| S39 | 39 | "4416097" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/02/12 14:28 |
| S40 | 2 | ("1729180").URPN. | USPAT | OR | OFF | 2010/02/12 14:31 |
| S41 | 685 | 29/463 | USPAT | OR | OFF | 2010/02/12 15:36 |
| S42 | 711 | 29/445 | USPAT | OR | OFF | 2010/02/12 16:35 |
| S43 | 23 | ("0102441" "0425002" "3335524" "3872633" "3925953" "3967430" "4131980" "4160312" "4161811" "4267679" "4688366" "5074138" "5228257" "5390466" "5424111" "5568714" "5720144").PN. OR ("5860265").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/12 16:38 |
| S44 | 12 | "1741423" | USPAT | OR | OFF | 2010/02/12 16:52 |
| S45 | 30 | ("1741423" "1890471" "2299936" "2370036" "2954074" "3962900").PN. OR ("4670960").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/12 16:55 |
| S46 | 13 | ("1644940" "3050831" "3283464" "3874051").PN. OR ("4894898").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/12 17:03 |

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| S47 | 11 | ("1644940" "3050831").PN. OR ("3874051").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/12 17:30 |
| S48 | 1 | ("3874051").PN. OR ("4896818").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/12 17:33 |
| S49 | 1894024 | 29/155 R | USPAT | OR | OFF | 2010/02/16 10:48 |
| S50 | 215106 | 29/155 R and beam | USPAT | OR | OFF | 2010/02/16 11:02 |
| S51 | 614996 | structural | USPAT | OR | OFF | 2010/02/16 11:03 |
| S52 | 480311 | beam | USPAT | OR | OFF | 2010/02/16 11:03 |
| S53 | 90550 | S51 and S52 | USPAT | OR | OFF | 2010/02/16 11:03 |
| S54 | 44419 | 29/155 R and S53 | USPAT | OR | OFF | 2010/02/16 11:03 |
| S55 | 137 | 29/425 | USPAT | OR | OFF | 2010/02/16 11:04 |
| S56 | 199 | 52/650.1 | USPAT | OR | OFF | 2010/02/16 11:30 |
| S57 | 38 | ("3319330" "3353318" "3872633" "3967430" "4016700" "4071995" "4131980" "4161811" "4196554" "4267679" "4283897" "4435936" "4619098" "4638615" "4688366" "4691493" "5074138" "5117602" "5228257" "5285615" "5313762" "5355649" "5390466" "5424111" "5519978" "5555698" "5568714").PN. OR ("5720144").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/16 11:41 |
| S58 | 7 | ("2990038").URPN. | USPAT | OR | OFF | 2010/02/16 11:42 |

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| S59 | 35 | ("0114039" "0735920" "1563077" "1563118" "1644940" "1741423" "2002044" "2088781" "2990038" "3066394" "3283464" "3626653" "4348850" "4894898").PN. OR ("5588273").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/16 11:43 |
| S60 | 11 | ("1741423").URPN. | USPAT | OR | OFF | 2010/02/16 11:47 |
| S61 | 9 | ("1644940").URPN. | USPAT | OR | OFF | 2010/02/16 11:49 |
| S62 | 11 | ("1644940" "3050831").PN. OR ("3874051").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/16 11:50 |
| S63 | 16 | "3904380" | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/16 11:55 |
| S64 | 21 | ("2153058" "2277616" "2801863").PN. OR ("3904380").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/16 11:56 |
| S65 | 20 | "3596421" | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/16 11:57 |
| S66 | 13 | "3066394" | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/16 12:00 |
| S67 | 56 | ("3066394" "3486957" "3582466" "3614369" "3625813" "3761675" "3932726" "3978748" "4048885" "4137804" "4149918").PN. OR ("4266112").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/16 12:04 |
| S68 | 9 | ("3190628").URPN. | USPAT | OR | OFF | 2010/02/16 13:48 |

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| S69 | 20 | ("0482411" "1759213" "1958162" "2442774" "3190628" "3217658" "3880086").PN. OR ("4635558").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/16 13:50 |
| S70 | 9 | ("3190628").URPN. | USPAT | OR | OFF | 2010/02/16 13:51 |
| S71 | 630 | 52/729 | USPAT | OR | OFF | 2010/02/16 13:56 |
| S72 | 7 | ("2065493" "3300839" "4292782").PN. OR ("5012626").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/16 14:43 |
| S73 | 125 | 52/636 | USPAT | OR | OFF | 2010/02/17 08:49 |
| S74 | 464 | 52/696 | USPAT | OR | OFF | 2010/02/17 09:04 |
| S76 | 1353 | 29/831 | USPAT | OR | OFF | 2010/02/17 09:05 |
| S77 | 1 | "11916064" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/02/17 09:07 |
| S78 | 2 | "6442908" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/02/17 09:10 |
| S79 | 22 | ("1957026" "1990001" "2006070" "2021434" "2233054" "2851875" "3130470" "3495371" "3594971" "3732650" "5113631" "5704181" "6012256" "6049932").PN. OR ("6442908").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/17 09:12 |
| S80 | 1 | "6807789" | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/17 09:14 |

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| S81 | 14 | ("1086343" "1654013" "1794425" "1973743" "2028169" "3093932" "4196558" "6341467").PN. OR ("6807789").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/17 09:15 |
| S82 | 8 | "3397858" | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/17 09:16 |
| S83 | 13 | "3066394" | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/17 09:17 |
| S84 | 3 | "3197610" | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/17 09:19 |
| S85 | 27 | ("3283464").URPN. | USPAT | OR | OFF | 2010/02/17 09:21 |
| S86 | 20 | 52/832 | USPAT | OR | OFF | 2010/02/17 09:39 |
| S87 | 1295 | 29/557 | USPAT | OR | OFF | 2010/02/17 09:40 |
| S88 | 1295 | 29/557 | USPAT | OR | OFF | 2010/02/17 11:41 |
| S89 | 1295 | 29/557 | USPAT | OR | OFF | 2010/02/17 13:40 |
| S90 | 3 | "7214277" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/02/17 13:52 |
| S91 | 13 | "4545170" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/02/17 13:53 |
| S92 | 9 | "1322441" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/02/17 13:55 |
| S93 | 45 | "322441" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/02/17 13:56 |
| S94 | 9 | "1322441" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/02/17 13:57 |

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| S95 | 28 | "2116356" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/02/17 13:57 |
| S96 | 18 | "1741423" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/02/17 14:11 |
| S97 | 11 | ("1741423").URPN. | USPAT | OR | OFF | 2010/02/17 14:12 |
| S98 | 30 | ("1741423" "1890471" "2299936" "2370036" "2954074" "3962900").PN. OR ("4670960").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/17 14:14 |
| S99 | 32 | ("0593484" "1311820" "1644940" "1741423" "2141642" "2990038" "3283464" "3626653" "3874051" "4071995" "4152873" "4545170" "4555889" "4866899" "4894898" "5060352").PN. OR ("5524410").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/17 14:17 |
| S100 | 22 | ("1741423" "1770215" "2299936" "2611918" "2995769" "3395420" "3670360" "3683738" "3828391" "3962900" "3997937" "4682925" "4759096" "5500980" "5584149").PN. OR ("5848548").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/17 14:20 |

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| S102 | 359 | 29/897.3 | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/17 14:33 |
| S103 | 181 | 29/557 and beam | USPAT | OR | OFF | 2010/02/17 14:50 |
| S104 | 1111 | 29/558 | USPAT | OR | OFF | 2010/02/17 15:03 |
| S105 | 144 | 29/558 and beam | USPAT | OR | OFF | 2010/02/17 15:39 |
| S106 | 887072 | beam | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/17 15:55 |
| S107 | 964853 | depth | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/17 15:55 |
| S108 | 6549933 | reduction in depth and S106 | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/17 15:55 |
| S109 | 170174 | structural and S106 | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/17 15:56 |
| S110 | 58000 | reduction and S109 | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/17 15:56 |
| S111 | 7 | "1729180" | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/17 15:57 |
| S112 | 711 | 29/445 | USPAT | OR | OFF | 2010/02/19 15:02 |
| S113 | 120475 | cut and beam | USPAT | OR | OFF | 2010/02/19 15:07 |
| S114 | 4763 | weld and halves | USPAT | OR | OFF | 2010/02/19 15:07 |
| S115 | 485 | S113 and S114 | USPAT | OR | OFF | 2010/02/19 15:07 |
| S116 | 90550 | structural and beam | USPAT | OR | OFF | 2010/02/19 15:08 |
| S117 | 29592 | S113 and S116 | USPAT | OR | OFF | 2010/02/19 15:08 |
| S118 | 245 | S114 and S117 | USPAT | OR | OFF | 2010/02/19 15:08 |
| S119 | 6121 | S117 and reduce and beam and depth | USPAT | OR | OFF | 2010/02/19 15:09 |
| S120 | 99 | S119 and S114 | USPAT | OR | OFF | 2010/02/19 15:10 |
| S121 | 18 | ("1887494" "1970231" "2069480" "2674783" "3015238" "3673888" "3793703" "4760755" "4921159").PN. OR ("6609649").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/19 15:22 |

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| S122 | 18 | "2356366" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/02/24 10:02 |
| S123 | 38 | "356142" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/02/24 10:05 |
| S124 | 15 | ("4351470" "4406393" "4577797" "4603089" "4732312" "4820355" "5115963").PN. OR ("5330093").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/24 10:07 |
| S125 | 3 | "2114091" | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/24 10:08 |
| S126 | 11 | "2114091" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/02/24 10:09 |
| S127 | 0 | "1989212025" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/02/24 10:10 |
| S128 | 4 | "4989774" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/02/24 10:10 |
| S129 | 8 | ("4460657" "4644626" "4984732" "4989774" "5277357").PN. OR ("5413271").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/24 10:11 |
| S130 | 1 | "68914547" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/02/24 10:11 |
| S131 | 5 | "2006070474" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/02/24 10:13 |

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|------|-------|------------------------------|----------------------------------------------------------------------|----|-----|---------------------|
| S132 | 7 | "4391361" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/02/24 10:14 |
| S133 | 8 | "1488167" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/02/24 10:15 |
| S134 | 1 | "52117252" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/02/24 10:16 |
| S135 | 85708 | cut and beam and half | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/02/24 10:21 |
| S136 | 8305 | weld and halves and together | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/02/24 10:21 |
| S137 | 706 | S135 and S136 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/02/24 10:21 |
| S138 | 48 | "324206" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/02/24 10:22 |
| S139 | 12 | "2408523" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/02/24 10:23 |
| S140 | 15 | "2990038" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/02/24 10:26 |
| S141 | 3 | "5661881" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2010/02/24 10:29 |

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| S142 | 30 | ("0509770" "0593484" "0652990" "1311820" "1644940" "1741423" "2141642" "2990038" "3283464" "3626653" "3874051" "4010524" "4071995" "4152873" "4545170" "4555889" "4866899" "4894898" "5060352").PN. OR ("5661881").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/24 10:30 |
| S143 | 8 | "4894973" | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/24 10:35 |
| S144 | 14 | ("3282016" "3349538" "3483665" "4640078" "4773192").PN. OR ("4894973").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/24 10:38 |
| S145 | 2 | "29139872" | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/24 10:41 |
| S146 | 1169 | 29/558 | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/24 10:45 |
| S147 | 11228 | shortening and metallic and structure | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/24 10:57 |
| S148 | 68287 | cutting and welding and together | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/24 10:58 |
| S149 | 635 | S147 and S148 | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/24 10:58 |
| S150 | 8 | "4220419" | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/24 11:38 |
| S151 | 508 | 228/170 | USPAT | OR | OFF | 2010/02/25 09:42 |

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| S152 | 21 | ("3421677" "3546772" "3616091" "3639962" "3673658" "3860761" "3894908" "4570049" "4586646" "4633055" "4740668" "4850522" "4983241" "5074457" "5123587" "5145102" "5501752" "5506387").PN. OR ("6886251").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/25 10:06 |
| S153 | 14 | ("0999267" "1498176" "1574563" "1594658" "1722671" "1877583" "2418312").PN. OR ("4562950").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/25 11:36 |
| S154 | 6 | ("1498176").URPN. | USPAT | OR | OFF | 2010/02/25 11:55 |
| S155 | 8 | ("1574563").URPN. | USPAT | OR | OFF | 2010/02/25 11:56 |
| S156 | 5 | ("999267").URPN. | USPAT | OR | OFF | 2010/02/25 11:58 |
| S157 | 199 | 228/171 | USPAT | OR | OFF | 2010/02/25 11:58 |
| S158 | 1 | ("1722671").URPN. | USPAT | OR | OFF | 2010/02/25 12:35 |
| S159 | 5 | ("1594658").URPN. | USPAT | OR | OFF | 2010/02/25 12:38 |
| S160 | 35 | ("0899033" "1344229" "1377891" "1506509" "1594658" "1843318" "2376906" "2382201" "2886857" "3333389" "3365852" "3477485" "3490188" "3557422" | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/25 12:41 |

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| | | "3616091" "3733231" "3800485" "3883999" "3894908" "3991535").PN. OR ("4362589").URPN. | | | | |
| S161 | 18 | ("0020559" "0057475" "1097909" "1449813" "1594658" "1877583" "2463966" "3262301" "4156588" "4236399").PN. OR ("4531666").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/25 12:44 |
| S162 | 12 | ("1594658" "2084649" "3295288" "3672711" "5174080").PN. OR ("5628156").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/25 12:45 |
| S163 | 13 | ("1594658" "1644940" "2617179" "2937766" "3164255" "3400831").PN. OR ("5875905").URPN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2010/02/25 12:47 |
| S164 | 13 | (US-20090100794-\$). did. or (US-5875905-\$ or US-5860265-\$ or US-5725247-\$ or US- 5720144-\$ or US- 5524410-\$ or US- 4894898-\$ or US- 4586646-\$ or US- 3874051-\$ or US- 2990038-\$ or US- 2844864-\$ or US- 2277615-\$ or US- 2263272-\$ or US- 1644940-\$).did. | USPAT | OR | OFF | 2010/03/09 18:30 |
| S165 | 12 | "2277615" | USPAT | OR | OFF | 2010/03/12 14:41 |
| S166 | 11 | ("2277615").URPN. | USPAT | OR | OFF | 2010/03/12 14:41 |

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|------|------|------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----|-----|------------------|
| S167 | 11 | "5725247" and weld\$3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/12/01 18:31 |
| S168 | 53 | 29/897.3 and cutt\$3 and beams and (weld\$3 or join\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/02 08:55 |
| S169 | 3909 | cutt\$3 and different and beams and halves and (weld\$3 or join\$3).clm. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/02 09:01 |
| S170 | 18 | 29/897.33 and cutt\$3 and beams and (weld\$3 or join\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/02 09:08 |
| S171 | 0 | 29/897.33 and cutt\$3 and different adj beams and (weld\$3 or join\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/02 09:08 |
| S172 | 11 | 29/897.33 and cutt\$3 and different and beams and (weld\$3 or join\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/02 09:08 |
| S173 | 281 | (29/897.35).COLS. | USPAT; USOCR | OR | OFF | 2010/12/02 09:08 |
| S174 | 3 | S169 and S173 | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/02 09:08 |
| S175 | 17 | ("3025577" "3298151" "3503173" "3708942" "4078352" "4207719" "4348850" "4523419" "5524410").PN. OR ("5852908").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/02 09:12 |
| S176 | 2 | "4894898" and S169 | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/02 09:48 |
| S177 | 37 | ("0114039" "0735920" "1563077" "1563118" "1644940" "1741423" "2002044" "2088781" "2990038" "3066394" "3283464" "3626653" "4348850" | US-PGPUB; USPAT; USOCR | OR | ON | 2010/12/02 09:52 |

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|------|-----|----------------------------------------|----------------------------------------------------------------------|----|----|---------------------|
| | | "4894898").PN. OR ("5588273").URPN. | | | | |
| S178 | 221 | 29/897.35 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/05/27 13:47 |
| S179 | 92 | 29/897.33 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/05/27 13:48 |
| S180 | 563 | 29/416 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/05/27 13:48 |
| S181 | 754 | 29/445 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/05/27 13:52 |
| S182 | 442 | 29/897.3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/05/27 14:16 |
| S183 | 729 | 29/463 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/05/27 14:20 |
| S184 | 145 | 29/425 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/05/27 14:22 |
| S185 | 494 | 29/897 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/05/27 14:23 |
| S186 | 264 | 52/650.1 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/05/27 14:25 |
| S187 | 149 | 52/636 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/05/27 14:31 |

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|------|-----|-----------|----------------------------------------------------------------------|----|----|---------------------|
| S188 | 532 | 52/696 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/05/27 14:35 |
| S189 | 4 | "0324206" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/06/02 09:38 |
| S190 | 52 | "324206" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2011/06/02 09:39 |

6/ 3/ 2011 4:23:20 PM

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